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(71) Applicant (for all designated States except US): **DOOSAN CORPORATION ELECTRO-MATERIALS BG** [KR/KR]; 602 Yongje-dong, Iksan-city, Jeollabuk-do 570-350 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HWANG, Jang-Hwan** [KR/KR]; 433-4 Gasuwon-dong, Seo-ku, Daejeon 302-800 (KR). **PAE, Chong-Pil** [KR/KR]; 108-1402, Neulpureun-Byeonsan Apartment, Mangpo-dong, Paldal-ku, Suwon-city, Gyeonggi-do 442-400 (KR). **KOOK, Min-Cheol** [KR/KR];

103-904, Bowon Apartment, 692, Pungdeokcheon-dong Pungdeokcheon-ri, Suji-eub, Yongin-City, Gyeonggi-do 449-846 (KR).

(74) Agent: **DARAE PATENT FIRM**; 10th Floor, KIPS, 647-9, Yeoksam-dong, Kangnam-ku, Seoul 135-980 (KR).

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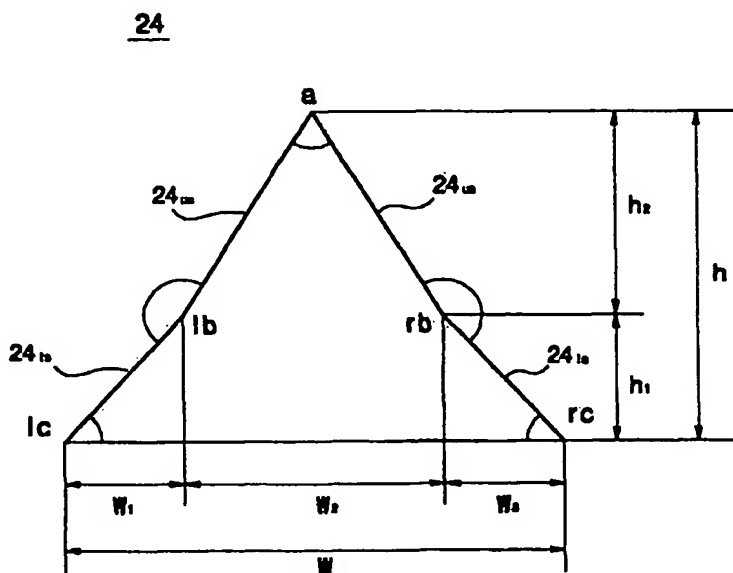
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(54) Title: **PRISM SHEET HAVING CONCAVE PENTAGONAL**



(57) Abstract: A prism sheet having a concave pentagonal structure is disclosed. The prism sheet comprises a base layer, and a prism array disposed on and supported by the base layer. The prism array is composed of a plurality of prisms aligned in parallel and one beside the other. The transversal cross-section of each prism has a shape of concave pentagon, which is symmetrical about a vertical line passing the apex. The interior angle  $\alpha$  of the apex is  $30^\circ \leq \alpha \leq 120^\circ$ , the exterior angle  $B$  formed by the upper slant side and the lower slant side is  $B < 180^\circ$ , the interior angle  $\gamma$  of the lower vertex formed by the lower slant side and the base is  $5^\circ \leq \gamma \leq 85^\circ$  and the length  $w$  of the base is  $30\mu\text{m} \leq w \leq 100\mu\text{m}$ . Preferably, the interior angle  $\alpha$  of the apex may be  $40^\circ \leq \alpha \leq 100^\circ$ , the exterior angle  $B$  formed by the upper slant side and the lower slant side may be  $160^\circ \leq B \leq 179^\circ$ , and the interior angle  $\gamma$  of the lower vertex formed by the lower slant side and the base may be  $30^\circ \leq \gamma \leq 60^\circ$ . Preferably, the length  $w$  of the base may be  $40\mu\text{m} \leq w \leq 60\mu\text{m}$ .



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